

**Virginia's**  
**Drinking Water State Revolving Fund Program**

**Intended Use Plan for FY 2006**

**DRAFT DRAFT**

~~~~~

The federal Safe Drinking Water Act Amendments of 1996 (P.L.104 -182), referred to as SDWA, established a Drinking Water State Revolving Fund (DWSRF) Program. Funds for the DWSRF Program are awarded to eligible states through a capitalization grant.

The Virginia Department of Health (VDH) has had primary enforcement responsibility, primacy, for SDWA since 1977. Therefore, VDH has been designated as the agency to apply for and administer the capitalization grant for the DWSRF Program and the associated state funds.

The development of an annual Intended Use Plan (IUP) is a required part of the application (§1452 (b) of the SDWA) for a capitalization grant. An IUP must describe how the capitalization grant will be expended, including all set-aside and construction funds. This IUP undergoes public comment.

Funds awarded to a state through a capitalization grant are categorized into two uses: (i) non-project funds or set-asides and (ii) project funds, which are utilized for construction at public drinking water systems (waterworks). Set-aside funds enhance the ability of the state and owners of waterworks to ensure a waterworks' long-term capacity to produce safe drinking water and to protect construction loan investments. Construction funds for waterworks are to be utilized to address public health problems and to ensure compliance with the provisions of the SDWA. Construction funds may not be utilized to satisfy growth demands.

A 20% state match is required to obtain the capitalization grant. The matching funds must be deposited into a dedicated State Loan Fund. For a dedicated State Loan Fund, VDH has directed funds to the *Virginia Water Supply Revolving Fund* (§62.1-233 et seq. of the *Code of Virginia*). Under this state law and in conjunction with VDH, the Virginia Resources Authority has certain responsibilities for individual construction loans.

Congress has set a goal of providing 15% of the amounts credited to the state loan fund as loan assistance to waterworks that regularly serve fewer than 10,000 persons. VDH will bypass higher ranked projects if necessary to meet this goal.

**Funding and Financial Status**

For the federal fiscal year **2006**, Virginia's allocation is **\$8,892,600** in federal funds. Some loan repayments and interest are available. For the 20% match requirements, VDH will transfer state general funds to its designated State Loan Fund, i.e., the Virginia Water Supply Revolving Fund (VWSRF), as federal funds are realized. The state will provide \$1,778,520 in general funds. Of the total available money of **\$13,783,006**, the FY2006 IUP allocates \$1,688,964 for set-asides and \$12,094,042 for State Loan Fund construction projects. No funds were transferred to VDH by the Department of Environmental Quality's (DEQ) Clean Water State Revolving Fund (CWSRF) to fund additional construction projects. Therefore, construction funds total \$12,094,042. VDH allocated 18.99292% of the grant funds as set-asides. Part of the 2% set-aside (\$133,852 or 1.5052%) is reserved for possible set-aside use in a future grant and added to the previous set-aside reserves for a total of **\$9,532,391**. No reserve amount has been reclaimed for set-aside use in this IUP or any previous IUP.

In 1997, the first year of the DWSRF Program, federal funds allocated to Virginia were \$29,442,400, but the 20% state match requirement was deferred until September 30, 1999. However, in the 1998 IUP, \$1,720,940 of the deferral was provided; in the 1999 IUP, \$1,587,280; in the 2000 IUP, \$958,183; and in the 2001 IUP, the remainder of \$1,622,077. In 1997, the Commonwealth allocated 22% of the funds as set-asides; 9% (\$2,649,816) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 1998, Congress allocated \$13,895,300 to Virginia. The state added \$4,500,000 in general funds. In its 1998 IUP, VDH allocated \$2,779,060 for set-asides and \$15,616,240 for loan projects (\$11,116,240 in Federal funds and \$4,500,000 in state funds). In its 1998 IUP, VDH allocated 20% of the funds as set-asides; 8% (\$1,111,624) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 1999, Congress allocated \$14,563,600 to Virginia. The state's Appropriation Act (April 14, 1998) provided \$4,500,000 in general funds. The FY 1999 IUP allocated the total available money of \$19,063,600 as \$1,852,781 for set-asides and \$17,210,819 for State Loan Fund construction projects (\$12,710,819 in federal funds and \$4,500,000 in state funds). Therefore, VDH allocated 12.722% of the funds as set-asides; 9.278% (\$1,351,211) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 2000, Congress allocated \$15,135,800 to Virginia. The state added \$3,985,343 in general funds. The FY 2000 IUP allocated the total available money of \$19,121,143 as \$1,291,840 for set-asides and \$17,829,303 for State Loan Fund construction projects (\$13,834,960 in federal funds and \$3,985,343 in state funds). Therefore, VDH allocated 8.535% of the funds as set-asides. The 8.415% (\$1,273,678) of the 10% set-aside is reserved for possible set-aside use in a future grant.

For federal FY 2001, Virginia's final allocation was \$15,198,400 in federal funds. Also, \$2,886,953 was moved from prior years' 15% set-aside category to construction. The state added \$5,153,137 in general funds and \$7,324 in interest. The FY 2001 IUP

allocated the total available money of \$23,260,573 as \$1,745,129 for set-asides and \$21,515,444 for State Loan Fund construction projects. Therefore, VDH allocated 11.4823% of the funds as set-asides. The 0.2116% (\$32,160) of the 4% set-aside, the 0.9076% (\$137,940) of the 2% set-aside and 8.2822% (\$1,258,761) of the 10% set-aside are reserved for possible set-aside use in a future grant.

For federal FY 2002, Virginia's final allocation was \$11,127,600 in federal funds. Only a small amount of loan repayments and interest were available. The state added \$4,500,000 in general funds. The FY2002 IUP allocated the total available money of \$15,816,207 as \$1,373,642 for set-asides and \$14,442,565 for State Loan Fund construction projects. Also, \$1,000,000 was transferred by DEQ's CWSRF to fund additional drinking water construction projects. Therefore, construction funds totaled \$15,442,565. VDH allocated 12.3445% of the grant funds as set-asides. The 1.1761% (\$130,868) of the 4% set-aside, the 1.1340% (\$126,184) of the 2% set-aside and 4.5088% (\$501,724) of the 10% set-aside are reserved for possible set-aside use in a future grant.

For the federal fiscal year 2003, Virginia's allocation was \$11,060,700 in federal funds. Some loan repayments and interest were available. The state added \$4,500,000 in general funds. The FY2003 IUP allocated the total available money of \$16,509,379 as \$1,881,913 for set-asides and \$14,627,466 for State Loan Fund construction projects. No funds were transferred to VDH by DEQ's CWSRF to fund additional construction projects. Therefore, construction funds total \$14,627,466. VDH allocated 17.0144% of the grant funds as set-asides. The 1.2266% (\$135,674) of the 2% set-aside and 0.9414% (\$104,125) of the 10% set-aside are reserved for possible set-aside use in a future grant.

For the federal fiscal year 2004, Virginia's allocation was \$11,473,900 in federal funds. Some loan repayments and interest were available. The state added \$2,294,780 in general funds. The FY2004 IUP allocated the total available money of \$15,601,105 as \$1,824,040 for set-asides and \$13,777,065 for State Loan Fund construction projects. No funds were transferred to VDH by DEQ's CWSRF to fund additional construction projects. Therefore, construction funds totaled \$13,777,065. VDH allocated 15.89730% of the grant funds as set-asides. All of the 2% set-aside (\$229,478) and 1.10081% (\$126,306) of the 10% set-aside were reserved for possible set-aside use in a future grant.

For the federal fiscal year 2005, Virginia's allocation was \$11,449,600 in federal funds. Some loan repayments and interest were available. For the 20% match requirements, VDH will transfer state general funds to its designated State Loan Fund, i.e., the Virginia Water Supply Revolving Fund (VWSRF), as federal funds are realized. The state added \$2,289,920 in general funds. The FY2005 IUP allocated the total available money of \$16,182,303 as \$2,046,944 for set-asides and \$14,135,359 for State Loan Fund construction projects. No funds were transferred to VDH by the Department of Environmental Quality's (DEQ) Clean Water State Revolving Fund (CWSRF) to fund additional construction projects. Therefore, construction funds totaled \$14,135,359. VDH allocated 17.87787% of the grant funds as set-asides. All of the 2% set-aside (\$228,992) is reserved for possible set-aside use in a future grant.

No funds are to be transferred out of this Program under Section 302 of the Safe Drinking Water Act Amendments of 1996.

Leveraging (bond issuance to raise capital) is a tool given yearly consideration by VDH to address imminent demand. With continual assessment, VDH may find that leveraging is needed.

**Summary**  
**Virginia Drinking Water State Revolving Fund Program**  
**Intended Use Plan**  
**FY 2006**

**I. SOURCES**

Federal **FY 2006** Allocation = **\$8,892,600** based on a national appropriation of **\$850.0** million  
State's General Fund 20% match required = \$1,778,520  
**SUBTOTAL 1** \$10,671,120  
Other state funds = **\$0**  
Total state funds this year \$1,778,520  
**SUBTOTAL 2** \$10,671,120  
Other sources =  
interest earned (0945) \$2,108  
interest earned (VWSRF) \$138,707  
repaid principal to 6-30-05 \$2,465,518  
repaid interest to 6-30-05 \$505,553  
**\$3,111,886**  
**SUBTOTAL 3** \$13,783,006  
TRANSFER from DEQ's CWSRF \$0  
Grand Total Funds Available = \$13,783,006

**II. USE for Set-asides**

| Category  | Maximum % and Name                            | Percent chosen   | Amount             |
|-----------|-----------------------------------------------|------------------|--------------------|
| 1         | 4% Administration and Technical Assistance    | <b>4.0000%</b>   | <b>355,704</b>     |
| 2         | 2% Small System Technical Assistance          | <b>0.4948%</b>   | <b>44,000</b>      |
| 3         | 10% State Program Management                  | <b>10.00000%</b> | <b>889,260</b>     |
| 4         | 15% Local Assistance and other State Programs | <b>4.49812%</b>  | <b>400,000</b>     |
| Sub-total |                                               | <b>18.99292%</b> | <b>\$1,688,964</b> |

**III. USE for Loan funds**

|                                                                           |                     |                            |                     |
|---------------------------------------------------------------------------|---------------------|----------------------------|---------------------|
| Federal Allocation =                                                      | \$8,892,600         |                            |                     |
| minus set asides                                                          | <u>\$1,688,964</u>  |                            |                     |
| Federal loan funds                                                        | \$7,203,636         | 81.00708% of federal grant |                     |
| plus 20% match required =                                                 | <u>\$1,778,520</u>  |                            |                     |
| <b>SUBTOTAL</b>                                                           |                     | \$8,982,156                |                     |
| plus Other state funds =                                                  | \$0                 |                            |                     |
| <b>SUBTOTAL</b>                                                           |                     | \$8,982,156                |                     |
| plus other sources =                                                      | \$3,111,886         |                            |                     |
| <b>SUBTOTAL</b>                                                           |                     | \$12,094,042               |                     |
| plus Transfer from DEQ's CWSRF                                            | \$0                 |                            |                     |
| <b>TOTAL Amount available</b>                                             | <b>\$12,094,042</b> |                            |                     |
| Amount available after subtracting Set-asides =                           |                     |                            | <b>\$12,094,042</b> |
| Amount loaned to Demonstration Project for Southwest Virginia Endowment = |                     |                            | <b>\$0</b>          |
| <b>Balance available for individual project loan and subsidies =</b>      |                     |                            | <b>\$12,094,042</b> |
| Subsidies --up to 30% of grant may be used =                              |                     | <b>30.00%</b>              | <b>\$2,667,780</b>  |
| Loans =                                                                   |                     |                            | <b>\$9,426,262</b>  |
| Total =                                                                   |                     |                            | <b>\$12,094,042</b> |

## **SUMMARY OF ACTIVITIES IMPLEMENTED BY THIS IUP**

The preceding Summary Chart shows the percentages of the federal grant reserved for set-aside activities and construction loan assistance to eligible applicants. State match funds are appropriated as general funds for the Virginia Department of Health (VDH) to provide the 20% match.

Of these construction funds **100%** will be provided to waterworks that serve less than 10,000 persons. Within the construction funds, 30% of the grant is allotted to disadvantaged waterworks. Actual usage of the 30% is subject to individual determinations on loan terms for each applicant meeting the definition of disadvantaged.

The particular percentages to be used for each of the four set-aside categories are shown in the Summary Chart.

## **THE VIRGINIA DWSRF PROGRAM**

The document dated January 10, 2005, entitled “Virginia Drinking Water State Revolving Fund Program - Program Design Manual” is a part of the Intended Use Plan. This manual explains the Program’s overall goal, the set-aside and construction aspects of the Program, entities eligible for funding, interest rates and terms, and criteria used to establish a Project Priority List.

The manual addresses the unique **1452 (k) Loans** set-aside provision (under the 15% set-aside) that allows purchase of land or conservation easements as well as funds for certain source water protection programs. This is a separate provision of the Program, and infrastructure projects are not required in conjunction with the use of these funds. The Program Design Manual contains criteria for evaluating and ranking applicants.

## **LONG AND SHORT TERM GOALS**

VDH bases this Program on the fact that safe drinking water is essential to public health. The goal of VDH in administering the capitalization grant is to provide a comprehensive and integrated technical and financial assistance program to waterworks owners through a balanced approach of using set-aside funding and construction loan funds to achieve the following objectives:

### **A. Long Term**

- Help assure that Virginians will be the healthiest people in the nation, in regards to drinking water.
- Protect the public health and welfare by planning and directing activities that assure adequate water quantity and quality are provided to users of waterworks.

- Assist waterworks owners in complying with federal and state mandated drinking water regulations through both programmatic and construction assistance.
- Assist and encourage waterworks owners to develop strategies to develop and maintain the capacity (adequate managerial, technical, and financial capability and well-trained operators) to provide safe drinking water for the long term.
- Assist waterworks owners in the protection of their source waters by developing or assisting to develop source water protection programs.
- Assist waterworks owners in correcting health problems related to drinking water through both programmatic and construction assistance.
- Aggressively market the available drinking water programmatic and construction assistance, to assist waterworks owners and consumers.

#### B. Short Term

- Receive each year's DWSRF Program money as soon as possible from EPA so citizens of Virginia may benefit.
- Assist waterworks owners by creating innovative technical assistance programs.
- Promote consolidation and regionalization of water supplies and waterworks through both programmatic and construction assistance.
- Provide a source of low cost financing for drinking water needs.
- Ensure that all new Community and Nontransient Noncommunity water systems beginning operation after October 1, 1999, have the technical, financial, and managerial capacity with respect to each national primary drinking water standard in effect, or likely to be in effect, on the date of starting operations.
- Ensure that operator certification regulations meeting EPA national requirements are applied and that coordination is achieved to provide training courses, especially for the lower classifications of licensed operators needed at the smaller waterworks.

#### **DEMONSTRATION PROJECT FOR STATE OF VIRGINIA**

The SDWA authorizes Virginia to establish a special demonstration project to loan funds to a regional endowment to "...finance new drinking water facilities..." in an area of Southwest Virginia encompassing Planning Districts 1 and 2. This endowment was established to assist in meeting the special needs of Southwest Virginia. In prior years, VDH elected to provide a total of \$10 million from its capitalization grants as loans to the endowment. That goal has been reached and no additional funding is provided. The relationship between this special endowment program and the Virginia DWSRF Program is that of the loan and the common goal of correcting health needs.

## **TRANSFER OF FUNDS**

Subject to the maximums allowed under the SDWA, set-aside funds may be transferred between another set-side or between the state loan fund but no grant payments (per the DWSRF Program Rule) for the state loan fund may be transferred to a set-aside.

No DEQ CWSRF repayment revenue is planned for transfer into the DWSRF Program under Section 302 of the Safe Drinking Water Act Amendments of 1996. Such transfer funds can only be used as loan funds, not grants. VDH has not requested funds from DEQ as VDH's current list of drinking water projects that are ready to proceed can be fully funded without a transfer.

## **FINANCIAL HEALTH**

The Program will be managed to maximize both the tangible and intangible benefits available to waterworks owners and the citizens of the Commonwealth. The financial health of the Program lies in two areas, in active non-construction activities and in loans. Both areas interact and affect the other's effectiveness. Activities promoting or enhancing delivery of a safe potable drinking water reduce the demand on the loan area by insuring the long-term well being of the waterworks. A State Loan Fund will be maintained in perpetuity for providing financial assistance as authorized and limited by the SDWA. A State Loan Fund will be maintained in accordance with the SDWA and will be credited with all payments, repayments of principal and interest on loans, interest on loan accounts and any other source of income accruing to a State Loan Fund. By coordinating the two areas of non-construction and project loans, the overall long-term financial health of the Program will be maintained to the benefit of the citizens of the Commonwealth. This coordination will be done by the strategy of at least annually coupling programmatic considerations with the results of a planning model that considers the aggregate effects of altering financial parameters of the Program. Procedures will be either revised or implemented as needed.

In the Disadvantaged Program (described in VDH's Program Design Manual), loan subsidies in the form of principal forgiveness will decrease the loan funds available; however, principal forgiveness coupled with a comprehensive business plan (capacity development) will reduce the demand on the loan fund by insuring the long term well-being of the waterworks. It will allow waterworks to undertake projects they could not otherwise construct and, therefore, protect the public health. This strategy is one of the strong themes encouraged by Congress.

A unique feature of the Virginia DWSRF Program is the federal statutory language allowing a pilot demonstration project in Southwest Virginia. The Commonwealth has made loan(s) to a regional endowment, and such loan(s) will be repaid with terms and conditions like any other project loan. These loan funds will be invested, and investment proceeds can be for uses other than normally specified by Congress. Such uses will assist in correcting problems faced by communities in Southwest Virginia.



## **USE OF FUNDS**

### **PROJECTS:**

Attached is the Comprehensive Project List showing rank from 1-34. Also attached is the Project Priority List that contains those projects VDH targets to receive funds from this year's funding.

### **SET-ASIDES:**

The set-asides are four categories where non-project funds may be used for specified purposes up to a maximum amount indicated in federal statute. Attached are set-aside suggestions received during the solicitation or public input phase of IUP development. This IUP's set-aside use distribution is shown in the preceding Summary Chart. Shown below are the set-aside uses.

- A. Administration and Technical Assistance (**\$355,704** which is **all** of the maximum 4% allowed.
1. Administration – (\$355,704). The purpose of this set-aside is to finance the administrative functions of the Program, such as solicitation of applications, review of selected projects, environmental reviews, determination of applicant's ability to pay back loans, and VDH travel to EPA/CIFA meeting. From this grant, VDH has budgeted \$239,103 to the Virginia Resources Authority (VRA) for credit analysis summaries for each project, project loan closings, funding disbursements, accounting tasks, compliance review of closed loans, annual audit of the construction loan fund, and participation with VDH on EPA's annual onsite program review.
  2. Technical Assistance – (\$0). No new money is added this year.
- B. Small System Technical Assistance (\$44,000 out of the 2% maximum allowed; the remaining \$133,852 or 1.5052% will be reserved for possible use out of a future grant.)

Activities expected to be addressed in small system technical assistance include, but are not limited to, the following:

- Providing technical assistance to small waterworks (transient noncommunity) that includes working with the transient noncommunity waterworks to understand the waterworks' responsibilities and reporting requirements under state and federal law. Funds will pay for the equivalent of 3.5 full time employees (FTE), i.e., 4 part-timers for 1,500 hours per year for 1 year. Funds were provided in earlier grants; no new money is added this year (\$0). (2004 IUP activity).
- Working with waterworks in developing and implementing a Source Water Protection Program (SWPP). These waterworks will be selected by solicitation of

those interested in developing SWPPs. Funds were provided in earlier grants; no new money is added this year (\$0).

- Professional Development Seminar Series - Providing specialty seminars and training events for waterworks owners on topics such as emergency planning, business plan development, emerging technology, regulatory compliance, etc. Funds were provided in earlier grants; **new money is added** this year (\$44,000).
- Providing funding for development of a Small Business Management Institute. Funds were provided in earlier grants; no new money is added this year (\$0).
- Providing training scholarships grants for waterworks operators (selection by recommendations from VDH field personnel) to the Water Treatment Plant Operators Short Course and the AWWA Management Institute at Va Tech. Funds were provided in earlier grants; no new money is added this year (\$0).

C. C. State Program Management (\$889,260 which is **all** of the **10%** maximum allowed.

1. Public Water System Supervision

- Improve the process to implement new federal rules. Funds will pay for the equivalent of 0.5 FTE of effort for 1 year. This person (regulation developer) will coordinate the efforts needed by the state to develop and process the adoption of any necessary regulations. Funds were provided in earlier grants; **new money** is added this year (\$5,378).
- Continue the FY 2002 consolidation of regulatory oversight of the transient noncommunity waterworks within the Office of Drinking Water by supporting seven full time positions (\$412,348 including fringes and indirect costs).
- Continue the FY 2003 initiative to improve the enforcement program by funding a full time enforcement specialist position (\$38,990 including fringes and indirect costs).
- Continue to lease office space in order to carry out drinking water activities (\$314,858).
- Continue funds for a contract for a part-time computer support technician's activities (\$12,500).
- Continue funds to support a courier system to deliver required samples to Division of Consolidated Labs (DCLS) (\$65,856).

2. Source Water

- Improve VDH's ability to assist waterworks to implement new federal rules. Funds will pay for the equivalent of 0.5 FTE of effort for 1 year. This position will coordinate the efforts needed by the state to oversee source water activities including specialized projects in Karst areas, contracts to waterworks to do specialized studies, and independent studies initiated by VDH. This IUP continues funding included in earlier grants (\$39,331 including fringes and indirect costs).

### 3. Capacity Development

No proposed activities.

### 4. Operator Programs

Continue activity from prior grant to provide support for the distance learning website at Mountain Empire Community College. Use funds in earlier grants, no new money is added (\$0).

## D. Local Assistance and other State Programs (\$400,000 which is **4.4981%** of the maximum). The maximum is 15% with no more than 10% in a category).

### 1. Loan and Protection Measures

- No new money is added this year for waterworks to buy land or conservation easements necessary for source water protection (\$0).
- No new money is added this year for implementing voluntary incentive based source water protection measures (\$0).

### 2. Capacity Development (\$350,000 which is 3.44%)

- Continue providing direct assistance to waterworks in completing comprehensive business plans and the mentoring program. Funds were provided in earlier grants so no new money is added this year (\$0).
- Receivership Program support – This activity assists in stabilizing waterworks lacking managerial and technical operation capacity. This activity will add to the tools in the VDH's Capacity Development Strategy. This activity begins after a court appoints a receiver from a list supplied by VDH. This unconventional technical assistance activity will provide funds for a limited time (about one year) to supplement the waterworks revenue to pay for the receiver's contract and for stabilizing activities needed to provide safe water to existing consumers. In about one year of activity the waterworks would be connected to an existing waterworks or a new owner found. Use funding from prior grants. No new funding added this year (\$0). (2004 IUP activity).

- Technical Assistance - continue funds for capacity development/project planning technical assistance grants. **New money** is added this year (\$300,000).
- Leak detection program grant – this new activity will assist waterworks owners by providing specific funds for leak detection activities. The results will provide owners the information needed to upgrade aged waterlines. Funds were provided in earlier grant; **new money** is added this year (\$50,000). (2005 IUP activity).

### 3. Source Water

No funds are allowed after the FY 1997 grant.

### 4. Wellhead Protection

Funds are proposed for use in supplementing existing state efforts to further protect source water. Funds were provided in earlier grants; **new money** is added this year (\$50,000). (2005 IUP activity).

| FY 2006 Virginia DWSRF Program |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            | Designation Codes: |                     | H = health               |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|--------------------------------|----------------|-------------------------------------|------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------|-------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|--|--|
|                                |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     | O = other                |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     | N = not eligible         |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     | P = in pipeline; pending |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     | I I                      | projects are in the pipeline for correction of problems           |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     | V                        | with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |  |  |
| PWS ID                         | County or City | Owner Name                          | Owner Type | Project Name                        | Project Description                                                                                                                                                                                                                                             | Project Problem                                                                                                                                                                  | Project Benefit                                                                                                                                            | Population         | Project Connections | Designation              | Activity                                                          | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |  |  |
| 12,094,042                     |                |                                     |            |                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |                                                                                                                                                            |                    |                     |                          |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
| 2015025                        | Augusta        | Augusta County Service Authority    | P-O        | Augusta Springs Filtration Upgrade  | The proposed project includes the installation of one membrane filtration unit rated for an initial capacity of 60,000 gpd and capable of treating up to 240,000 gpd as a backup source for Craigsville.                                                        | Water treatment facility cannot comply with federal turbidity standards.                                                                                                         | This project will benefit public health through improvements in filtration.                                                                                | 253                | 96                  | H                        | Active                                                            | 41          | 1    | 398,075            | 257,683          | 257,683                                     | 257,683     | 11,836,359      |  |  |
| 2015200                        | Augusta        | Augusta County Service Authority    | P-O        | Deerfield Water Filtration Upgrade  | The proposed project includes the installation of one membrane filtration unit rated for an initial capacity of 30,000 gpd.                                                                                                                                     | Deerfield water treatment facility cannot comply with federal turbidity standards.                                                                                               | This project will benefit public health through improvements in filtration.                                                                                | 156                | 54                  | H                        | Active                                                            | 41          | 2    | 198,520            | 173,520          | 173,520                                     | 431,203     | 11,662,839      |  |  |
| 1191883                        | Washington     | Washington County Service Authority | P-O        | Blackwells Chapel Water Project     | The proposed project would construct 39,804 LF of 8" waterline, 2,082 LF of 4 inch waterline, fire flow will not be provided, 2 PRVs will be installed and the system will be located in the Glade Spring area and will receive water from the Seven Springs Zo | Private sources with quality, quantity and both total and fecal coliform.                                                                                                        | The proposed project will benefit those persons who have no access to public drinking water.                                                               | 283                | 120                 | H                        | Active - Has other VDH funding                                    | 29          | 3    | 960,234            | 865,734          | 775,734                                     | 1,206,937   | 10,887,105      |  |  |
| 2017550                        | Bath           | Warm Springs Water Association      | I-O        | Warm Springs Water Project          | The recommended project is to provide a new well source of 25 gpm with the existing Well #1 serving as backup; replacement of existing well pump; new distribution piping of 6 inch ductile iron pipe, existing service boxes, meters, and PRVs be used and the | Two springs declared by VDH to be under the direct influence of surface water and distribution system has steel pipe is old, rusty and experienced considerable number of leaks. | A new primary water source, a new water tank and distribution system providing adequate pressure and fire protection.                                      | 178                | 120                 | H                        | Active                                                            | 21          | 4    | 784,000            | 784,000          | 563,050                                     | 1,769,987   | 10,324,055      |  |  |
| 2003850                        | Albemarle      | Public Service Water Company of VA  | I-O        | Corville Farm Subdivision           | Based on findings of a 2002 ENSAT report paid for by Albermarle Co., Corville Farm will need 2,000 ft of 4 inch sch. 40 pipe, 18 meter sets, 3/4 inch service lines to 18 connections, a 1,000 gallon hydropneumatic tank, continuous chlorination, a 2nd well  | The original distribution piping is in poor and deteriorating condition and there are no cutoff valves or meters.                                                                | The system can continue to operate and provide residents with a reliable source of clean water.                                                            | 59                 | 18                  | H                        | Inactive--Owner Withdrew                                          | 46          | 5    | 89,538             | 89,538           | 0                                           | 1,769,987   | 10,324,055      |  |  |
| 1195650                        | Wise           | Pound, Town of                      | P-O        | Bold Camp Water System Improvements | The project would consist of 2,500 LF of 6 inch water line and one pitless booster pump station. This would tie the two systems together with a loop and utilize the storage capacity of the existing 150,000 gallon storage tank located in the Right Fork Wa  | High levels of trihalomethanes in the water supplied by the Town of Clintwood.                                                                                                   | Installing the loop and supplementing the Town of Clintwood water with the Town of Pound should reduce the levels of Trihalomethanes in the water to these | 2400               | 1087                | H                        | Active - Has other VDH funding                                    | 37          | 6    | 170,000            | 170,000          | 127,500                                     | 1,897,487   | 10,196,555      |  |  |

DWSRF Program - FY 2006  
Project Priority List

| FY 2006 Virginia DWSRF Program |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  | Designation Codes: |                     | H = health              |                                                                                                                           |             |      |                    |                  |                                             |             |                 |  |  |  |
|--------------------------------|----------------|-------------------------------------------|------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|--|--|--|
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |                    |                     | O = other               |                                                                                                                           |             |      |                    |                  |                                             |             |                 |  |  |  |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |                    |                     | N = not eligible        |                                                                                                                           |             |      |                    |                  |                                             |             |                 |  |  |  |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |                    |                     | P = in pipeline;pending |                                                                                                                           |             |      |                    |                  |                                             |             |                 |  |  |  |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |                    |                     | I I V                   | projects are in the pipeline for correction of problems with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |  |  |  |
| PWS ID                         | County or City | Owner Name                                | Owner Type | Project Name                                        | Project Description                                                                                                                                                                                                                                             | Project Problem                                                                                                                                              | Project Benefit                                                                                                                                  | Population         | Project Connections | Designation             | Activity                                                                                                                  | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |  |  |  |
| 1051                           | Dickenson      | Dickenson County Public Service Authority | P-O        | Big Caney Water Project (Phase 3-4)                 | This project will construct 22,500 LF of 8" line, 22,500 LF of 6" line and 4,000 LF of 2" line. This project will also need two-200,000 gallon tanks, one-150,000 gallon tank and one-100,000 gallon tank along with 6 new pump stations and 1 pump station up  | Forty year old water system in need of repair.                                                                                                               | All persons will have potable water and indoor plumbing.                                                                                         | 635                | 276                 | H                       | Active - Has other VDH funding                                                                                            | 44          | 7    | 4,969,000          | 1,000,000        | 750,000                                     | 2,647,487   | 9,446,555       |  |  |  |
| 1167050                        | Russell        | Russell County W & S Authority            | P-O        | Seven Springs Water Main Replacement                | The project includes approximately 11,500 LF of water line replacement in Seven Springs Hollow, from existing 4 inch to new 8 inch, plus appurtenances.                                                                                                         | High pressures from the existing Seven Springs WTP pump are causing water line breaks in the system.                                                         | The project will improve the delivery of water to the entire system and also alleviate high pressures.                                           | 5116               | 2016                | H                       | Active - Has other VDH funding                                                                                            | 39          | 8    | 494,289            | 446,879          | 299,409                                     | 2,946,896   | 9,147,146       |  |  |  |
| 1173481                        | Smyth          | Marion, Town of                           | P-O        | Lee Street Waterline Replacement                    | The proposed project includes replacement of 1,200 LF of 6" diameter waterline and reconnections to existing customers.                                                                                                                                         | Old and deterioriated waterline has been identified with several leaks.                                                                                      | Elimination of water loss, improve the overall system accountability and eliminate potential public health contamination.                        | 7746               | 3521                | H                       | Active - Has other VDH funding                                                                                            | 38          | 9    | 49,500             | 49,500           | 0                                           | 2,946,896   | 9,147,146       |  |  |  |
| 1077335                        | Grayson        | Independence, Town of                     | P-O        | Independence-Water Distribution System Improvements | The proposed project involves approximately 1,000 LF of 8 inch waterline, 4,490 LF of 6 inch waterline, 700 LF of 4 inch waterline, 180 LF of 2 inch waterline, 69 service connections and appurtenances.                                                       | Old, deteriorated and galvanized steel waterlines which result in maintenance problems and the potential for contamination due to leaks, breaks and repairs. | This project will significantly reduce maintenance problems, water service outages and potential contamination due to leaks, breaks and repairs. | 971                | 430                 | H                       | Active                                                                                                                    | 37          | 10   | 460,240            | 460,240          | 460,240                                     | 3,407,136   | 8,686,906       |  |  |  |
| 1195900                        | Wise           | Wise County Public Service Authority      | P-O        | Dunbar Water System Improvement Project             | The treatment system improvements include the installation of 2-3' diameter pressure filters using gren sand and anthracite, a 12' high x 1.5' diameter cooling tower, three chemical feed systems, new pumps, and a backflush system.                          | Water source is indadequately treated, lines are old and leaky and there are no meters in the lines.                                                         | This project will provide better quality drinking water and more dependable service.                                                             | 90                 | 40                  | I                       | Active - Has other VDH funding                                                                                            | 35          | 11   | 577,250            | 577,250          | 144,015                                     | 3,551,151   | 8,542,891       |  |  |  |
| 1105                           | Lee            | Lee County Public Service Authority       | P-O        | Ocoonita Water Project                              | The proposed project will include installation of 125,060 LF of 10" water line, 17,782 LF of 6" water line, 17,293 LF of 2" and 4" water line, 11,700 LF of 3/4" water line (service line), a 250,000 gallon water storage tank, a booster pump station, all wa | Inadequate water quality, quantity and contamination.                                                                                                        | This project will allow residents to have a safe and quality water source.                                                                       | 90                 | 360                 | H                       | Active                                                                                                                    | 31          | 12   | 6,584,758          | 3,160,298        | 3,160,298                                   | 6,711,449   | 5,382,593       |  |  |  |

DWSRF Program - FY 2006  
Project Priority List

| FY 2006 Virginia DWSRF Program |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         | Designation Codes: |                     | H = health              |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|--------------------------------|----------------|---------------------------------------|------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------|---------------------|-------------------------|-------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|--|--|
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         |                    |                     | O = other               |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         |                    |                     | N = not eligible        |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         |                    |                     | P = in pipeline;pending |                                                                   |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         |                    |                     | I I                     | projects are in the pipeline for correction of problems           |             |      |                    |                  |                                             |             |                 |  |  |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                    |                                                                                                         |                    |                     | V                       | with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |  |  |
| PWS ID                         | County or City | Owner Name                            | Owner Type | Project Name                                            | Project Description                                                                                                                                                                                                                                             | Project Problem                                                    | Project Benefit                                                                                         | Population         | Project Connections | Designation             | Activity                                                          | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |  |  |
| 1167300                        | Russell        | Honaker, Town of                      | P-O        | Honaker-Tank Renovation/Line Replacement                | The proposed project will consist of the replacement of approximately 5,800 LF of small diameter water line with 6 inch water line, the installation of approximately 1,100 LF of new 6 inch water line that will complete loop in the system, the installation | Poor water pressure                                                | Improved control and operation, eliminate water loss and improve water pressure.                        | 1695               | 678                 | H                       | Active - Has other VDH funding                                    | 28          | 13   | 412,480            | 412,480          | 309,360                                     | 7,020,809   | 5,073,233       |  |  |
| 5037150                        | Charlotte      | Charlotte Court House, Town of        | P-O        | Town of Charlotte Court House Water System Improvements | PER recommends replacing existing 6-inch and 8-inch, replacing galvanized steel and cast-iron lines with PVC lines, replacement of fire hydrants, transfer of meter services to new lines, looping of the system, repair of the existing blow off valve, the in | Unsafe drinking water and inadequate flow and fire protection.     | To ensure that the Town has clean, safe drinking water and to ensure adequate flow and fire protection. | 463                | 200                 | H                       | Active                                                            | 25          | 14   | 3,754,486          | 2,000,000        | 1,183,256                                   | 8,204,065   | 3,889,977       |  |  |
| 1071665                        | Giles          | Pembroke, Town of                     | P-O        | Town of Pembroke Water System Improvements              | One LS remove existing West End pump station and storage tank from service; One LS pressure reducing station; One LS Lily Land tank telemetry controls; 4,500 LF of 6" waterline; 1,700 LF of 8" waterline and One LS East End tank telemetry controls.         | Pump station has been deemed unsafe by VDH and inadquate pressure. | Improve the citizen's way of life by increasing pressure in higher service areas.                       | 1164               | 635                 | H                       | Active                                                            | 22          | 15   | 379,560            | 379,560          | 144,290                                     | 8,348,355   | 3,745,687       |  |  |
| 2139017                        | Page           | Shenandoah Utility Services           | I-O        | Shenandoah Utility Services Upgrade                     | All services to be metered, purchase property with existing well for water source                                                                                                                                                                               |                                                                    | Increased water volume.                                                                                 | 64                 | 18                  | H                       | Active - Has other VDH funding                                    | 11          | 16   | 67,500             | 67,500           | 0                                           | 8,348,355   | 3,745,687       |  |  |
| 1169200                        | Scott          | Scott County Public Service Authority | P-O        | Natural Tunnel Water Extension                          | The proposed project will include installation of 21,400 LF of 12" water line, installation of 7,855 LF of 6 " water line, installation of 400 LF of 4" water line, installation of 1,560 LF of 2" water line, installation of 1,890 LF of 3/4" water line, ins | Problems with the quality and quantity of available water source.  | This project will allow residents to have a safe and quality water source.                              | 156                | 63                  | O                       | Active                                                            | 24          | 17   | 1,710,175          | 617,045          | 617,045                                     | 8,965,400   | 3,128,642       |  |  |
| 1169650                        | Scott          | Scott County Public Service Authority | P-O        | Possum Creek Water Project                              | Installation of 37,719 LF of 6 inch water line, installation of 400 LF of 2 inch service line, installation of 4,000 LF of 3/4 inch service line, installation of all water service line appurtenances, installation of 21 hydrants for fire protection and 84  | Inadequate water supplies and poor water quality.                  | This project will provide safer and more reliable drinking water to residents.                          | 185                | 84                  | O                       | Active - Has other VDH funding                                    | 22          | 18   | 1,353,000          | 1,353,000        | 554,730                                     | 9,520,130   | 2,573,912       |  |  |

DWSRF Program - FY 2006  
Project Priority List

| FY 2006 Virginia DWSRF Program |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    | Designation Codes: |                     | H = health               |                                                                   |             |      |                    |                  |                                             |             |                 |  |
|--------------------------------|----------------|------------------------------------------|------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------|-------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|--|
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |                    |                     | O = other                |                                                                   |             |      |                    |                  |                                             |             |                 |  |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |                    |                     | N = not eligible         |                                                                   |             |      |                    |                  |                                             |             |                 |  |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |                    |                     | P = in pipeline; pending |                                                                   |             |      |                    |                  |                                             |             |                 |  |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |                    |                     | I I                      | projects are in the pipeline for correction of problems           |             |      |                    |                  |                                             |             |                 |  |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |                    |                     | V                        | with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |  |
| PWS ID                         | County or City | Owner Name                               | Owner Type | Project Name                                     | Project Description                                                                                                                                                                                                                                              | Project Problem                                                                                           | Project Benefit                                                                                                                                                    | Population         | Project Connections | Designation              | Activity                                                          | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |  |
| 1167900                        | Russell        | Russell County Board of Supervisors      | P-O        | Big A Mountain Water Phase 2 Extension           | Project includes installation of approximately 12,600 LF of 8 inch water line; 33,200 LF of 6 inch water line; 2,000 LF of 4 inch, 2 inch and 1 inch service line to serve 273 potential new users.                                                              | Water supplies reported to be of general poor quality, intermittent and not dependable.                   | The project will provide as many as 273 new customers with a safe and dependable water supply.                                                                     | 502                | 205                 | O                        | Active                                                            | 20          | 19   | 2,340,957          | 2,290,957        | 2,290,957                                   | 11,811,087  | 282,955         |  |
| 1169690                        | Scott          | Scott County Public Service Authority    | P-O        | Wadlow Gap Water Line Extension                  | This project will consist of approximately 14,560 LF of 8 inch water line; 6,660 LF of 6 inch water line, 11 fire hydrants and appurtenances; project will utilize the storage and pressures from the SCPSA's existing 248,000 gallon state line water storage   | Unsafe drinking water to homes served by wells and spings.                                                | The project will provide safe drinking water to homes served by wells and springs and will complete the final leg of connecting the SCPSA's water systems south of | 98                 | 42                  | O                        | Active - Has other VDH funding                                    | 16          | 20   | 802,772            | 802,772          | 282,955                                     | 12,094,042  | 0               |  |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Alex Road Water Project                          | The proposed project would construct 4,134 feet of waterline, fire flow will not be provided and the system will be located in the Damascus area and will receive water from Reservation Spring located in Taylors Valley.                                       | Private sources that are questionable in quality, quantity and presence of both total and fecal coliform. | The proposed project will benefit those persons who have no access to public drinking water.                                                                       | 19                 | 8                   | O                        | Active - Has other VDH funding                                    | 13          | 21   | 74,877             | 68,877           |                                             | 12,094,042  | 0               |  |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Chestnut Mountain Road Waterline Extension       | The proposed project would construct 5,269 feet of 4" waterline, a 25-gpm pump station that would deliver flows to a 15,000 gallon bulk storage tank, fire flows will not be provided and the system will be located in the Taylors Valley area and will receive | Inaequate quantity and/or quality and contaminated sources.                                               | The proposed project will benefit persons who have no access to public drinking water.                                                                             | 40                 | 17                  | O                        | Active - Has other VDH funding                                    | 11          | 22   | 219,292            | 205,792          |                                             | 12,094,042  | 0               |  |
| 1185755                        | Tazewell       | Tazewell County Public Service Authority | P-O        | Greater Tazewell Water Treatment Plant Expansion | Greater Tazewell Area Regional WTP will have to be upgraded                                                                                                                                                                                                      | Unsafe and undependable water supply                                                                      | The project will provide an approved and dependable public potable treatment capacity.                                                                             | 6455               | 2464                | O                        | Active - Has other VDH funding                                    | 16          | 23   | 2,182,918          | 2,182,918        |                                             | 12,094,042  | 0               |  |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Twin Oaks Road Waterline Extension               | The proposed project would construct 6,520 LF of 6" water line, fire flows would be considered, two PRVs will be installed and the system will be located in the Alvarado area and will receive water from the Alvarado Zone served by Reservation Spring in Ta  | Four private water sources showed presence of total and/or fecal coliform.                                | The proposed project will benefit those who have no access to public drinking water.                                                                               | 50                 | 21                  | O                        | Active - Has other VDH funding                                    | 8           | 24   | 185,860            | 169,360          |                                             | 12,094,042  | 0               |  |



DWSRF Program - FY 2006  
Comprehensive Project List

|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FY 2006 Virginia DWSRF Program |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

DWSRF Program - FY 2006  
Comprehensive Project List

| Designation Codes:             |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |            |                     | H = health              |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|--------------------------------|----------------|-------------------------------------------|------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|
| FY 2006 Virginia DWSRF Program |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |            |                     | O = other               |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |            |                     | N = not eligible        |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |            |                     | P = in pipeline;pending |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                           |            |                                                     |                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                  |            |                     | I I<br>V                | projects are in the pipeline for correction of problems<br>with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |
| PWS ID                         | County or City | Owner Name                                | Owner Type | Project Name                                        | Project Description                                                                                                                                                                                                                                             | Project Problem                                                                                                                                              | Project Benefit                                                                                                                                  | Population | Project Connections | Designation             | Activity                                                                                                                     | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |
| 1051                           | Dickenson      | Dickenson County Public Service Authority | P-O        | Big Caney Water Project (Phase 3-4)                 | This project will construct 22,500 LF of 8" line, 22,500 LF of 6" line and 4,000 LF of 2" line. This project will also need two-200,000 gallon tanks, one-150,000 gallon tank and one-100,000 gallon tank along with 6 new pump stations and 1 pump station up  | Forty year old water system in need of repair.                                                                                                               | All persons will have potable water and indoor plumbing.                                                                                         | 635        | 276                 | H                       | Active - Has other VDH funding                                                                                               | 44          | 7    | 4,969,000          | 1,000,000        | 750,000                                     | 2,647,487   | 9,446,555       |
| 1167050                        | Russell        | Russell County W & S Authority            | P-O        | Seven Springs Water Main Replacement                | The project includes approximately 11,500 LF of water line replacement in Seven Springs Hollow, from existing 4 inch to new 8 inch, plus appurtenances.                                                                                                         | High pressures from the existing Seven Springs WTP pump are causing water line breaks in the system.                                                         | The project will improve the delivery of water to the entire system and also alleviate high pressures.                                           | 5116       | 2016                | H                       | Active - Has other VDH funding                                                                                               | 39          | 8    | 494,289            | 446,879          | 299,409                                     | 2,946,896   | 9,147,146       |
| 1173481                        | Smyth          | Marion, Town of                           | P-O        | Lee Street Waterline Replacement                    | The proposed project includes replacement of 1,200 LF of 6" diameter waterline and reconnections to existing customers.                                                                                                                                         | Old and deteriorated waterline has been identified with several leaks.                                                                                       | Elimination of water loss, improve the overall system accountability and eliminate potential public health contamination.                        | 7746       | 3521                | H                       | Active - Has other VDH funding                                                                                               | 38          | 9    | 49,500             | 49,500           | 0                                           | 2,946,896   | 9,147,146       |
| 1077335                        | Grayson        | Independence, Town of                     | P-O        | Independence-Water Distribution System Improvements | The proposed project involves approximately 1,000 LF of 8 inch waterline, 4,490 LF of 6 inch waterline, 700 LF of 4 inch waterline, 180 LF of 2 inch waterline, 69 service connections and appurtenances.                                                       | Old, deteriorated and galvanized steel waterlines which result in maintenance problems and the potential for contamination due to leaks, breaks and repairs. | This project will significantly reduce maintenance problems, water service outages and potential contamination due to leaks, breaks and repairs. | 971        | 430                 | H                       | Active                                                                                                                       | 37          | 10   | 460,240            | 460,240          | 460,240                                     | 3,407,136   | 8,686,906       |
| 1195900                        | Wise           | Wise County Public Service Authority      | P-O        | Dunbar Water System Improvement Project             | The treatment system improvements include the installation of 2-3' diameter pressure filters using green sand and anthracite, a 12' high x 1.5' diameter cooling tower, three chemical feed systems, new pumps, and a backflush system.                         | Water source is inadequately treated, lines are old and leaky and there are no meters in the lines.                                                          | This project will provide better quality drinking water and more dependable service.                                                             | 90         | 40                  | I                       | Active - Has other VDH funding                                                                                               | 35          | 11   | 577,250            | 577,250          | 144,015                                     | 3,551,151   | 8,542,891       |
| 1105                           | Lee            | Lee County Public Service Authority       | P-O        | Ocoonita Water Project                              | The proposed project will include installation of 125,060 LF of 10" water line, 17,782 LF of 6" water line, 17,293 LF of 2" and 4" water line, 11,700 LF of 3/4" water line (service line), a 250,000 gallon water storage tank, a booster pump station, all wa | Inadequate water quality, quantity and contamination.                                                                                                        | This project will allow residents to have a safe and quality water source.                                                                       | 90         | 360                 | H                       | Active                                                                                                                       | 31          | 12   | 6,584,758          | 3,160,298        | 3,160,298                                   | 6,711,449   | 5,382,593       |

DWSRF Program - FY 2006  
Comprehensive Project List

| Designation Codes:             |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                         |            |                     | H = health              |                                                                                                                           |             |      |                    |                  |                                             |             |                 |
|--------------------------------|----------------|---------------------------------------|------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------|---------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|
| FY 2006 Virginia DWSRF Program |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                         |            |                     | O = other               |                                                                                                                           |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                         |            |                     | N = not eligible        |                                                                                                                           |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                         |            |                     | P = in pipeline;pending |                                                                                                                           |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                         |                                                                                                                                                                                                                                                                 |                                                                     |                                                                                                         |            |                     | I I V                   | projects are in the pipeline for correction of problems with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |
| PWS ID                         | County or City | Owner Name                            | Owner Type | Project Name                                            | Project Description                                                                                                                                                                                                                                             | Project Problem                                                     | Project Benefit                                                                                         | Population | Project Connections | Designation             | Activity                                                                                                                  | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |
| 1167300                        | Russell        | Honaker, Town of                      | P-O        | Honaker-Tank Renovation/Line Replacement                | The proposed project will consist of the replacement of approximately 5,800 LF of small diameter water line with 6 inch water line, the installation of approximately 1,100 LF of new 6 inch water line that will complete loop in the system, the installation | Poor water pressure                                                 | Improved control and operation, eliminate water loss and improve water pressure.                        | 1695       | 678                 | H                       | Active - Has other VDH funding                                                                                            | 28          | 13   | 412,480            | 412,480          | 309,360                                     | 7,020,809   | 5,073,233       |
| 5037150                        | Charlotte      | Charlotte Court House, Town of        | P-O        | Town of Charlotte Court House Water System Improvements | PER recommends replacing existing 6-inch and 8-inch, replacing galvanized steel and cast-iron lines with PVC lines, replacement of fire hydrants, transfer of meter services to new lines, looping of the system, repair of the existing blow off valve, the in | Unsafe drinking water and inadequate flow and fire protection.      | To ensure that the Town has clean, safe drinking water and to ensure adequate flow and fire protection. | 463        | 200                 | H                       | Active                                                                                                                    | 25          | 14   | 3,754,486          | 2,000,000        | 1,183,256                                   | 8,204,065   | 3,889,977       |
| 1071665                        | Giles          | Pembroke, Town of                     | P-O        | Town of Pembroke Water System Improvements              | One LS remove existing West End pump station and storage tank from service; One LS pressure reducing station; One LS Lily Land tank telemetry controls; 4,500 LF of 6" waterline; 1,700 LF of 8" waterline and One LS East End tank telemetry controls.         | Pump station has been deemed unsafe by VDH and inadequate pressure. | Improve the citizen's way of life by increasing pressure in higher service areas.                       | 1164       | 635                 | H                       | Active                                                                                                                    | 22          | 15   | 379,560            | 379,560          | 144,290                                     | 8,348,355   | 3,745,687       |
| 2139017                        | Page           | Shenandoah Utility Services           | I-O        | Shenandoah Utility Services Upgrade                     | All services to be metered, purchase property with existing well for water source                                                                                                                                                                               |                                                                     | Increased water volume.                                                                                 | 64         | 18                  | H                       | Active - Has other VDH funding                                                                                            | 11          | 16   | 67,500             | 67,500           | 0                                           | 8,348,355   | 3,745,687       |
| 1169200                        | Scott          | Scott County Public Service Authority | P-O        | Natural Tunnel Water Extension                          | The proposed project will include installation of 21,400 LF of 12" water line, installation of 7,855 LF of 6" water line, installation of 400 LF of 4" water line, installation of 1,560 LF of 2" water line, installation of 1,890 LF of 3/4" water line, ins  | Problems with the quality and quantity of available water source.   | This project will allow residents to have a safe and quality water source.                              | 156        | 63                  | O                       | Active                                                                                                                    | 24          | 17   | 1,710,175          | 617,045          | 617,045                                     | 8,965,400   | 3,128,642       |
| 1169650                        | Scott          | Scott County Public Service Authority | P-O        | Possum Creek Water Project                              | Installation of 37,719 LF of 6 inch water line, installation of 400 LF of 2 inch service line, installation of 4,000 LF of 3/4 inch service line, installation of all water service line appurtenances, installation of 21 hydrants for fire protection and 84  | Inadequate water supplies and poor water quality.                   | This project will provide safer and more reliable drinking water to residents.                          | 185        | 84                  | O                       | Active - Has other VDH funding                                                                                            | 22          | 18   | 1,353,000          | 1,353,000        | 554,730                                     | 9,520,130   | 2,573,912       |

| Designation Codes:             |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |            |                     | H = health               |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|--------------------------------|----------------|------------------------------------------|------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|
| FY 2006 Virginia DWSRF Program |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |            |                     | O = other                |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |            |                     | N = not eligible         |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |            |                     | P = in pipeline; pending |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                          |            |                                                  |                                                                                                                                                                                                                                                                  |                                                                                                           |                                                                                                                                                                    |            |                     | I<br>V                   | projects are in the pipeline for correction of problems<br>with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |
| PWS ID                         | County or City | Owner Name                               | Owner Type | Project Name                                     | Project Description                                                                                                                                                                                                                                              | Project Problem                                                                                           | Project Benefit                                                                                                                                                    | Population | Project Connections | Designation              | Activity                                                                                                                     | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |
| 1167900                        | Russell        | Russell County Board of Supervisors      | P-O        | Big A Mountain Water Phase 2 Extension           | Project includes installation of approximately 12,600 LF of 8 inch water line; 33,200 LF of 6 inch water line; 2,000 LF of 4 inch, 2 inch and 1 inch service line to serve 273 potential new users.                                                              | Water supplies reported to be of general poor quality, intermittent and not dependable.                   | The project will provide as many as 273 new customers with a safe and dependable water supply.                                                                     | 502        | 205                 | O                        | Active                                                                                                                       | 20          | 19   | 2,340,957          | 2,290,957        | 2,290,957                                   | 11,811,087  | 282,955         |
| 1169690                        | Scott          | Scott County Public Service Authority    | P-O        | Wadlow Gap Water Line Extension                  | This project will consist of approximately 14,560 LF of 8 inch water line; 6,660 LF of 6 inch water line, 11 fire hydrants and appurtenances; project will utilize the storage and pressures from the SCPSA's existing 248,000 gallon state line water storage   | Unsafe drinking water to homes served by wells and spings.                                                | the project will provide safe drinking water to homes served by wells and springs and will complete the final leg of connecting the SCPSA's water systems south of | 98         | 42                  | O                        | Active - Has other VDH funding                                                                                               | 16          | 20   | 802,772            | 802,772          | 282,955                                     | 12,094,042  | 0               |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Alex Road Water Project                          | The proposed project would construct 4,134 feet of waterline, fire flow will not be provided and the system will be located in the Damascus area and will receive water from Reservation Spring located in Taylors Valley.                                       | Private sources that are questionable in quality, quantity and presence of both total and fecal coliform. | The proposed project will benefit those persons who have no access to public drinking water.                                                                       | 19         | 8                   | O                        | Active - Has other VDH funding                                                                                               | 13          | 21   | 74,877             | 68,877           |                                             | 12,094,042  | 0               |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Chestnut Mountain Road Waterline Extension       | The proposed project would construct 5,269 feet of 4" waterline, a 25-gpm pump station that would deliver flows to a 15,000 gallon bulk storage tank, fire flows will not be provided and the system will be located in the Taylors Valley area and will receive | Inaequate quantity and/or quality and contaminated sources.                                               | The proposed project will benefit persons who have no access to public drinking water.                                                                             | 40         | 17                  | O                        | Active - Has other VDH funding                                                                                               | 11          | 22   | 219,292            | 205,792          |                                             | 12,094,042  | 0               |
| 1185755                        | Tazewell       | Tazewell County Public Service Authority | P-O        | Greater Tazewell Water Treatment Plant Expansion | Greater Tazewell Area Regional WTP will have to be upgraded                                                                                                                                                                                                      | Unsafe and undependable water supply                                                                      | The project will provide an approved and dependable public potable treatment capacity.                                                                             | 6455       | 2464                | O                        | Active - Has other VDH funding                                                                                               | 16          | 23   | 2,182,918          | 2,182,918        |                                             | 12,094,042  | 0               |
| 1191883                        | Washington     | Washington County Service Authority      | P-O        | Twin Oaks Road Waterline Extension               | The proposed project would construct 6,520 LF of 6" water line, fire flows would be considered, two PRVs will be installed and the system will be located in the Alvarado area and will receive water from the Alvarado Zone served by Reservation Spring in Ta  | Four private water sources showed presence of total and/or fecal coliform.                                | The proposed project will benefit those who have no access to public drinking water.                                                                               | 50         | 21                  | O                        | Active - Has other VDH funding                                                                                               | 8           | 24   | 185,860            | 169,360          |                                             | 12,094,042  | 0               |

| Designation Codes:             |                |                                       |            |                                                           |                                                                                                                                                                                                                                                                 |                                                                               |                                                                                                                                                                    |            |                     | H = health              |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|--------------------------------|----------------|---------------------------------------|------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|
| FY 2006 Virginia DWSRF Program |                |                                       |            |                                                           |                                                                                                                                                                                                                                                                 |                                                                               |                                                                                                                                                                    |            |                     | O = other               |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                           |                                                                                                                                                                                                                                                                 |                                                                               |                                                                                                                                                                    |            |                     | N = not eligible        |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                           |                                                                                                                                                                                                                                                                 |                                                                               |                                                                                                                                                                    |            |                     | P = in pipeline;pending |                                                                                                                              |             |      |                    |                  |                                             |             |                 |
|                                |                |                                       |            |                                                           |                                                                                                                                                                                                                                                                 |                                                                               |                                                                                                                                                                    |            |                     | I I<br>V                | projects are in the pipeline for correction of problems<br>with their response/lack of response to our solicitation request. |             |      |                    |                  |                                             |             |                 |
| PWS ID                         | County or City | Owner Name                            | Owner Type | Project Name                                              | Project Description                                                                                                                                                                                                                                             | Project Problem                                                               | Project Benefit                                                                                                                                                    | Population | Project Connections | Designation             | Activity                                                                                                                     | Point Total | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |
| 1105200                        | Lee            | Jonesville, Town of                   | P-O        | Jonesville-Tanbark Community (Rt 70) Water Line Extension | This project consists of approximately 24,500 LF of 4-and 6-inch water lines, one pressure reducing station and all associated appurtenances. This system is an extension off of the existing Ridgeview system, constructed in 2003.                            | Privately owned wells and springs indicating potential health hazards.        | This project will benefit the residences with a central water system.                                                                                              | 133        | 55                  | P = in pipeline;pending | BYPASS - Not Ready - needs to address source problem                                                                         | 7           | 25   | 806,113            | 806,113          | 0                                           | 0           | 0               |
| 1105                           | Lee            | Lee County Public Service Authority   | P-O        | Robbins Chapel Water Extension-Phase II                   | The proposed project will include installation of 2,000 LF of 10" water line, installation of 500 LF of 8" water line, installation of 25,750 LF of 6" water line, installation of 500 LF of 2"/4" water line, installation of 1,200 LF of 3/4" water line (ser | Inadequate water quality, quantity and/or contaminated water sources.         | This project will allow residents to have a safe and quality water source.                                                                                         | 180        | 72                  | P = in pipeline;pending | BYPASS - Not Ready - needs to address source issue.                                                                          | 23          | 26   | 1,682,529          | 999,709          | 0                                           | 0           | 0               |
| 1105070                        | Lee            | Lee County Public Service Authority   | P-O        | Stickleyville Water Extension-Phase I                     | Installation of 55,000 LF of 8 inch water line, 42,000 LF of 6 inch water line, 8,400 LF of 3/4 inch service line, construction of 200 GPM water pump station, construction of 150,000 gallon water storage tank, related system appurtenances and 250 resident | Unreliable water quality and quantity                                         | The proposed project will provide safer and more reliable drinking water to 250 residential customers who currently have unreliable water supplies.                | 625        | 250                 | P = in pipeline;pending | BYPASS - Not Ready - needs to address source issue.                                                                          | 22          | 27   | 2,500,000          | 2,500,000        | 0                                           | 0           | 0               |
| 1155641                        | Pulaski        | Pulaski County Board of Supervisors   | I-O        | Pulaski Central Mobile Home Park Water Extensions         | The proposed project includes 21,470 LF of water line varying in sizes from 4 inches to 8 inches and there will not be a need for water storage tanks or pump stations for the project.                                                                         | Under-sized private wells with water quality & quantity problems.             | The proposed project will provide 305 households with safe, potable drinking water and allow 6 private community water systems to be replaced with the PSA system. | 720        | 305                 | P = in pipeline;pending | Inactive - WITHEDR Awn-will use RD funds.                                                                                    | 21          | 28   | 967,774            | 967,774          | 0                                           | 0           | 0               |
| 1169650                        | Scott          | Scott County Public Service Authority | P-O        | Route 614 Water Project                                   | The proposed project will include installation of 4,000 LF of 8" water line, 15,900 LF of 6" water line, 7,500 LF of 4" water line, 1,800 LF of 3/4" water line, 40 fire hydrants for fire protection, one upsized pump station, one master meter station, all  | Inadequate water quality, quantity and contaminated individual water sources. | The extension of public water service will provide safe and reliable water service to the Rt. 614/689 community of eastern Scott County.                           | 116        | 48                  | P = in pipeline;pending | BYPASS - Not Ready WITHDA WN- needs to address source issue.                                                                 | 12          | 29   | 1,140,037          | 1,140,037        | 0                                           | 0           | 0               |

DWSRF Program - FY 2006  
Comprehensive Project List

| FY 2006 Virginia DWSRF Program |                |                                       |            |                                      | Designation Codes:                                                                                                                                                                                                                                              |                                                                                                  |                                                                                                                          |            |                     | H = health<br>O = other<br>N = not eligible<br>P = in pipeline;pending |                                                              |                                                                                                                              |      |                    |                  |                                             |             |                 |  |
|--------------------------------|----------------|---------------------------------------|------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------|---------------------|------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------|--------------------|------------------|---------------------------------------------|-------------|-----------------|--|
|                                |                |                                       |            |                                      |                                                                                                                                                                                                                                                                 |                                                                                                  |                                                                                                                          |            |                     | I I<br>V                                                               |                                                              | projects are in the pipeline for correction of problems<br>with their response/lack of response to our solicitation request. |      |                    |                  |                                             |             |                 |  |
| PWS ID                         | County or City | Owner Name                            | Owner Type | Project Name                         | Project Description                                                                                                                                                                                                                                             | Project Problem                                                                                  | Project Benefit                                                                                                          | Population | Project Connections | Designation                                                            | Activity                                                     | Point Total                                                                                                                  | Rank | Project Total Cost | Requested Amount | Eligible Amount (estimated) from this Grant | Cummulative | Grant Remaining |  |
| 1191883                        | Scott          | Scott County Public Service Authority | P-O        | Boozy Creek Phase II Water Project   | The proposed project will include installation of 19,193 LF of 8" water line, 8,618 LF of 6" water line, 11,789 LF of 4" water line, 600 LF of 2" water line, 2,800 LF of 3/4" water line, two PRV Stations, one master meter station, all water service line a | Inadequate water quality, quantity and contaminated individual water sources.                    | This Phase II portion of the Boozy Creek Water Project will provide safe and reliable water service.                     | 121        | 54                  | P = in pipeline;pending                                                | BYPASS - Not Ready WITHDA WN- needs to address source issue. | 12                                                                                                                           | 30   | 1,124,975          | 1,124,975        | 0                                           | 0           | 0               |  |
| 1167250                        | Russell        | Russell County Board of Supervisors   | P-O        | Green Valley Water Extension         | Project includes installation of approximately 4,740 LF of 12 inch water line; 23,795 LF of 8 inch water line; 33,555 LF of 6 inch water line; 2,975 LF of 2 inch and 1 inch service line to serve 325 potential new users; and one 150,000 gallon water storag | Water supplies of general poor quality, intermittent and not dependable.                         | The project will provide as many as 325 new customers with a safe and dependable water supply.                           | 812        | 325                 | P = in pipeline;pending                                                | BYPASS - Not Ready - needs to address source issue.          | 5                                                                                                                            | 31   | 2,727,495          | 2,677,495        | 0                                           | 0           | 0               |  |
| 2660345                        | Harrisonburg   | Harrisonburg, City of                 | P-O        | Shenandoah River Raw Water Supply    | The project shall begin at Island Ford in the South Fork of the Shenandoah River with a surface water intake and two 24 inch diameter intake pipes of 350 foot length each and shall also include an intake pump station, 85,000 feet of 24" pipe and an interm | The City of Harrisonburg cannot fully utilize its 3 raw water sources during drought conditions. | This project will allow an additional 4 mgd to be withdrawn and added to the existing supply.                            | 40468      | 11428               | N                                                                      | INELIGIBLE - growth                                          | 15                                                                                                                           | 32   | 18,000,000         | 15,000,000       | 0                                           | 0           | 0               |  |
| 5007135                        | Amelia         | Amelia, County of                     | P-O        | Amelia Waterworks                    | 4,160 LF of 12" water main, 2,838 LF of 8" water main, no tanks, wells or booster stations.                                                                                                                                                                     | Unreliable water and no fire protection.                                                         | Central water system and loop will provide more reliable water and fire protection.                                      | 603        | 241                 | N                                                                      | INELIGIBLE - growth                                          | 5                                                                                                                            | 33   | 719,267            | 719,267          | 0                                           | 0           | 0               |  |
|                                | Wise           | Wise County Public Service Authority  | P-O        | Banner & Sandy Ridge Interconnection | The proposed project will include installation of 7,000 lf of 8" water line, installation of 7-8" gate valves, installation of a pressure reducing valve, installation of telemetry and installation of 2 pump stations.                                        | Wise Co. PSA purchases water from the Town of Coeburn due to capacity issues.                    | The interconnection will allow the Wise Co PSA to provide water to Sandy Ridge with its own water from their Carfax WTP. | 10240      | 4096                | P = in pipeline;pending                                                | Late submittal-- Application under review.                   |                                                                                                                              | 34   | 662,979            | 422,979          | 0                                           | 0           | 0               |  |

DWSRF Program  
Set-aside Suggestion List  
FY 2006

The Virginia Department of Health received these suggestions during the solicitation / public input phase of developing the Intended Use Plan and considered them in the development of the set-aside portion of the Intended Use Plan.

| Name                              | Requested Amount | Activity Description                                                                                                                                     | Funded Yes/No | Amount      |
|-----------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| Jim Spencer                       | \$50,000.00      | Perform leak detection activities to identify needed upgrades to waterline.                                                                              | Yes           | \$50,000.00 |
| Mountain Empire Community College | \$99,276.00      | Continue development of on line Water Degree Program, build and modify its web site, hire several staff, provide scholarships, contract web expert, etc. | No            | \$0.00      |
| Chris Adkins                      | \$100,000.00     | GIS activity to acquire waterline data                                                                                                                   | No            | \$0.00      |
| TOTALS                            | \$249,276.00     |                                                                                                                                                          |               | \$50,000.00 |

**BACK PAGE**